

FUNCTIONS

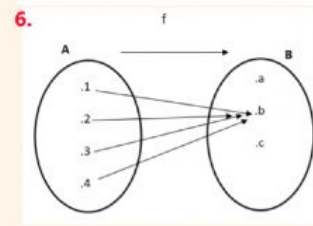
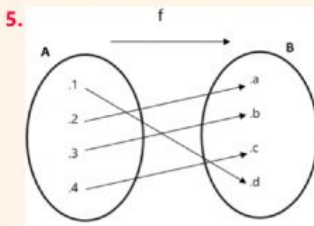
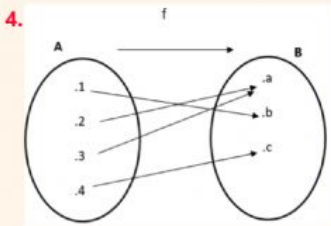
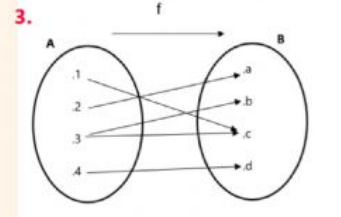
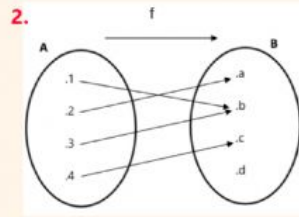
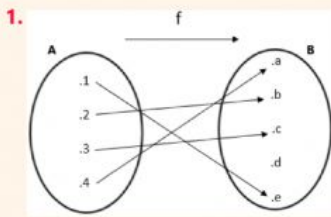
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SUGGESTED TIME:

A) A and B are two sets. It is determined a relation from A set to B set. Determine, which relation in the below is function. If it is function, select types of function.



Is it a function ?

Which type/types of function is it?

1.

2.

3.

4.

5.

6.

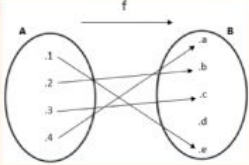
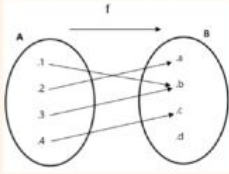
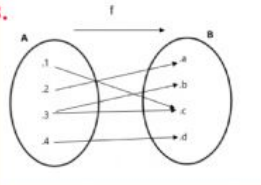
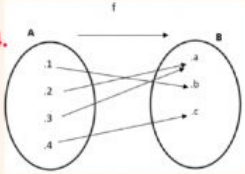
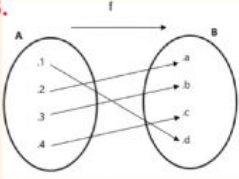
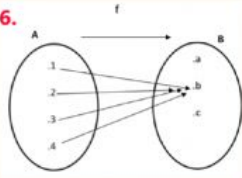
B) You determined which relation(s) is a function or not in the part A. How did you determine, it is a function or not. If it is a function, how did you determine its type(s)? Please, write your reasoning clearly.

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C) Look at the relations again. Can we determine, the relations have an inverse function? If you think that we can, state your reasoning clearly. Also, determine which relation(s) has an inverse function or not. If you think that we can not, explain your reasoning clearly.

| | Can we determine, it has an inverse function? | HAS INVERSE/ HAS NOT INVERSE | REASONING |
|--|---|------------------------------|----------------|
| 1.  | <input type="text"/> | <input type="text"/> | 1. <div></div> |
| 2.  | <input type="text"/> | <input type="text"/> | 2. <div></div> |
| 3.  | <input type="text"/> | <input type="text"/> | 3. <div></div> |
| 4.  | <input type="text"/> | <input type="text"/> | 4. <div></div> |
| 5.  | <input type="text"/> | <input type="text"/> | 5. <div></div> |
| 6.  | <input type="text"/> | <input type="text"/> | 6. <div></div> |

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D) If a function is invertible, what does it means? Please, explain your reasoning with your own word clearly.

